

IN THE CLAIMS:

The following is a complete listing of the claims in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

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1. - 7. (Canceled)

8. (Currently Amended) A solid-state image pickup element formed on a single semiconductor substrate, comprising:

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a pixel including a photoelectric conversion element which includes an accumulation area where signal charge generated by photoelectric conversion is accumulated, a transfer switch which transfers the signal charge accumulated in said accumulation area, a floating diffusion portion which receives the signal charge through said transfer switch, and a reset switch which resets an electric potential of said floating diffusion portion;

a first terminal ~~to which a voltage is supplied from outside said solid-state image pickup element~~ connectable externally;

a second terminal ~~to which a voltage is supplied from outside said solid-state image pickup element~~ connectable externally;

a first wiring which ~~supplies the~~ applies a voltage supplied to at said first terminal to said reset switch so that said reset switch is controlled according to the applied voltage at said first terminal and an internally supplied voltage; and

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a second wiring which ~~supplies the~~ applies a voltage supplied to at said second terminal to said transfer switch so that said transfer switch is controlled according to the supplied voltage at said second terminal and an internally supplied voltage.

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9. (Previously Presented) An image pickup apparatus comprising:
a solid-state image pickup element according to Claim 8; and
a voltage potential setting circuit which generates a plurality of different electric power voltages,
wherein said voltage potential setting circuit supplies a first voltage to said first terminal and supplies a second voltage lower than the first voltage to said second terminal.